AMENDMENT IN THE CLAIMS

Claims 1—9. (Cancelled)

10. (Currently Amended) An actuator as recited in claim 1, comprising:
a core member, having a central projection;
a coil wrapped around said central projection;
a magnet positioned so as to provide a gap between said core member and said
magnet and operable to move in a degree of freedom relative to said core member; and
an elastic material disposed in said gap and configured to limit a range of motion
of said magnet in said degree of freedom, wherein:
said core member comprises a first curved surface;
said magnet comprises a second curved surface; and
said elastic material is disposed in a gap formed between said first curved surface
and said second curved surface.

- 11. (Currently Amended) An actuator comprising:
 - a core member having a central projection;
 - a coil wrapped around said central projection;
- a magnet positioned so as to provide a gap between said core member and said magnet; and
- a first flexible member attached to said core member and said magnet and configured to limit a range of motion of a manipulandum coupled to at least one of said core member and said magnet.
- 12. (Previously Presented) An actuator as recited in claim 11 further comprising an elastic material disposed in said gap.
- 13. (Previously Presented) An actuator as recited in claim 11 wherein said first flexible member is attached to said magnet and a grounded surface.

14. (Cancelled)

- 15. (Previously Presented) An actuator as recited in claim 13 wherein said grounded surface comprises an actuator housing.
- 16. (Previously Presented) An actuator as recited in claim 11 wherein said magnet is configured to move linearly.
- 17. (Previously Presented) An actuator as recited in claim 11 wherein said magnet is configured to move rotationally.

Claims 18—25. (Cancelled)

- 26. (Previously Presented) An actuator as recited in claim 12, wherein said elastic material comprises foam.
- 27. (Previously Presented) An actuator as recited in claim 13, further comprising a controller electrically connected to said coil for generating a drive signal.
- 28. (Previously Presented) An actuator as recited in claim 13, further comprising a second flexible member attached to said magnet and said core member.

- 29. (Previously Presented) An actuator as recited in claim 13, wherein:
 - said core member comprises a first curved surface;
 - said magnet comprises a second curved surface.
- 30. (Previously Presented) An actuator as recited in claim 29, further comprising an elastic material positioned in a gap formed between said first curved surface and said second curved surface.
- 31. (Currently Amended) An actuator comprising:
 - a core member, having a central projection;
 - a coil wrapped around said central projection;
- a magnet positioned so as to provide a gap between said core member and said magnet; and
 - a ground member attached to said core member; and
- a first flexible member attached to <u>said core member and</u> said magnet and said ground member and configured to limit a range of motion of <u>a manipulandum coupled to</u> at least one of said core member and said magnet.
- 32. (Previously Presented) An actuator as recited in claim 31, further comprising a second flexible member attached to said magnet and said ground member.
- 33. (Previously Presented) An actuator as recited in claim 31, wherein said ground member comprises a grounded surface.
- 34. (Previously Presented) An actuator as recited in claim 34, wherein said grounded surface comprises a surface of a housing.

35. (Currently Amended) A device comprising:

a manipulandum having a housing; and

an actuator as recited in elaim 1 claim 31 coupled to said manipulandum and disposed within said housing.

36. (Previously Presented) A device as recited in claim 35, wherein said manipulandum comprises a joystick.

37. (Previously Presented) A device comprising:

a manipulandum having a housing; and

an actuator as recited in claim 11 coupled to said manipulandum and disposed within said housing.

38. (Previously Presented) A device as recited in claim 37, wherein said manipulandum comprises a joystick.

39. (Cancelled)